```
              GenCore version 5.1.6

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OM protein - protein search, using sw model

Run on:      May 31, 2003, 17:57:32 ; Search time 15.6444 Seconds
                                       (without alignments)
                                       828.194 Million cell updates/sec

Title:       US-09-772-103-8
Perfect score: 655
Sequence:    1 MDFQVQIFSFLLISASVILS.........CQQWSSYPLTFGGGTKVEIK 128

Scoring table: BLOSUM62
             Gapop 10.0 , Gapext 0.5

Searched:    383519 seqs, 101223694 residues

To number of hits satisfying chosen parameters:      383519

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries
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Database :   Published Applications_AA:*
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              2:  /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
              3:  /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
              4:  /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
              5:  /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
              6:  /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
              7:  /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
              8:  /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
              9:  /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
             10:  /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
             11:  /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
             12:  /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
             13:  /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
             14:  /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*
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                                          SUMMARIES

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

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Result             %      Query
No.    Score    Match  Length  DB   ID                        Description
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  1     600     91.6   128     9    US-10-160-232-92          Sequence 92, Appl
  2     599     91.5   235    10    US-09-910-059-52          Sequence 52, Appl
  3     593     90.5   235    10    US-09-910-059-99          Sequence 99, Appl
  4     587     89.6   126     9    US-10-160-232-94          Sequence 94, Appl
  5     583     89.0   235    10    US-09-910-059-97          Sequence 97, Appl
  6     573     87.5   126     9    US-10-160-232-96          Sequence 96, Appl
  7     567     86.6   130     9    US-10-195-752-111         Sequence 111, App
  8     564     86.1   130     9    US-10-195-752-113         Sequence 113, App
  9     523     79.8   235    10    US-09-910-059-17          Sequence 17, Appl
 10     520     79.4   126     9    US-10-160-232-93          Sequence 93, Appl
 11     500     76.3   110    10    US-09-753-436-96          Sequence 96, Appl
 12     499     76.2   107    10    US-09-910-059-50          Sequence 50, Appl
 13     496     75.7   107    10    US-09-910-059-61          Sequence 61, Appl
 14     493     75.3   107    10    US-09-910-059-71          Sequence 71, Appl
 15     493     75.3   128     9    US-10-160-232-87          Sequence 87, Appl
 16     490     74.8   126     9    US-10-160-232-89          Sequence 89, Appl
 17     490     74.8   128     9    US-09-967-719C-4          Sequence 4, Appli
 18     490     74.8   128     9    US-09-967-719C-6          Sequence 6, Appli
 19     488     74.5   235     9    US-09-795-515-5           Sequence 5, Appli
 20     487     74.4   106     9    US-09-771-415-1           Sequence 1, Appli
 21     487     74.4   106    10    US-09-796-848A-3          Sequence 3, Appli
 22     487     74.4   213     9    US-09-996-288-231         Sequence 231, App
 23     487     74.4   213     9    US-09-996-265-231         Sequence 231, App
 24     485     74.0   106     9    US-09-771-415-17          Sequence 17, Appl
 25     484     73.9   106     9    US-09-996-288-54          Sequence 54, Appl
 26     484     73.9   106     9    US-09-996-265-54          Sequence 54, Appl
 27     484     73.9   213     9    US-09-996-288-211         Sequence 211, App
 28     484     73.9   213     9    US-09-996-265-211         Sequence 211, App
 29     483     73.7   107    10    US-09-910-059-65          Sequence 65, Appli
 30     482     73.6   131    10    US-09-881-823-6           Sequence 6, Appli
 31     482     73.6   213     9    US-09-996-288-255         Sequence 255, App
 32     482     73.6   213     9    US-09-996-265-255         Sequence 255, App
 33     481     73.4   106     9    US-09-771-415-19          Sequence 19, Appl
 34     481     73.4   106     9    US-09-996-288-13          Sequence 13, Appl
 35     481     73.4   106     9    US-09-996-265-13          Sequence 13, Appl
 36     481     73.4   128     9    US-09-905-928-4           Sequence 4, Appli
 37     481     73.4   128     9    US-10-096-964-4           Sequence 4, Appli
 38     481     73.4   129    10    US-09-965-099-99          Sequence 99, Appl
 39     481     73.4   129    12    US-10-051-852-99          Sequence 99, Appl
 40     481     73.4   213     9    US-09-996-288-233         Sequence 233, App
 41     481     73.4   213     9    US-09-996-288-239         Sequence 239, App
 42     481     73.4   213     9    US-09-996-288-247         Sequence 247, App
 43     481     73.4   213     9    US-09-996-265-233         Sequence 233, App
 44     481     73.4   213     9    US-09-996-265-239         Sequence 239, App
 45     481     73.4   213     9    US-09-996-265-247         Sequence 247, App
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                                          ALIGNMENTS

```
RESULT 1
US-10-160-232-92
; Sequence 92, Application US/10160232
; Publication No. US2003008075A1
; GENERAL INFORMATION:
;  APPLICANT: SHITARA, KENYA
;  APPLICANT: ITO, MIKITO
;  APPLICANT: HANAI, NOBUO
;  APPLICANT: KAWADA, YOKO
;  APPLICANT: NAKAMURA, KAZUYASU
;  APPLICANT: SHIBUYA, MASABUMI
;  TITLE OF INVENTION: ANTI-HUMAN VEGF RECEPTOR FLT-1 MONOCLONAL ANTIBODY
;  FILE REFERENCE: 249-107
;  CURRENT APPLICATION NUMBER: US/10/160,232
;  CURRENT FILING DATE: 2002-06-04
;  PRIOR APPLICATION NUMBER: US/09/453,718
;  PRIOR FILING DATE: 1999-12-03
;  PRIOR APPLICATION NUMBER: 09/315,051
;  PRIOR FILING DATE: 1999-05-20
;  PRIOR APPLICATION NUMBER: 09/119,014
;  PRIOR FILING DATE: 1998-07-20
;  PRIOR APPLICATION NUMBER: PCT/JP97/04259
;  PRIOR FILING DATE: 1997-11-21
;  NUMBER OF SEQ ID NOS: 96
;  SOFTWARE: PatentIn Ver. 2.1
;
; SEQ ID NO 92
;  LENGTH: 128
;  TYPE: PRT
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  OTHER INFORMATION: Description of Artificial Sequence: Synthetic protein
US-10-160-232-92

  Query Match             91.6%;  Score 600;  DB 9;  Length 128;
  Best Local Similarity   91.4%;  Pred. No. 2.7e-36;
  Matches 117;  Conservative 5;  Mismatches 6;  Indels 0;  Gaps 0;

Qy      1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRVTITCSATSSITYMSWYQQK 60
          ||||||||||||||||||||||:|||||||||||||||||||||||:|:||:|||||||||
Db      1 MDFQVQIFSFLLISASVIISRGDIQMTQSPSSLSASVGDRVTITCSASSSVSYMHWYQQK 60

Qy     61 PGKAPKLLIYDTSNLASGVPSRFSGSGSGTDYTLTISSLQPEDFATYYCQQWSSYPLTFG 120
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Db          |||||||||||| |||||||||   |||||||||||||||||||||:||||||||||||||||||||||||| |||
        61 PGKAPKLLIYDTSKLPSGVPSRFSGSGSGTDFTLTISSLQPEDFATYYCQQWSSNPPTFG 120

Qy     121 GGTKVEIK 128
           ||||||||
Db     121 QGTKVEIK 128
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RESULT 2
US-09-910-059-52
; Sequence 52, Application US/09910059
; Patent No. US2002014235A1
; GENERAL INFORMATION:
; ; APPLICANT: Copley, Clive G
; ; APPLICANT: Edge, Michael Derek
; ; APPLICANT: Emery, Stephen Charles
; ; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said Antibody,
; ; TITLE OF INVENTION: Their Therapeutic use in an Adept System
; ; FILE REFERENCE: 1991-209
; ; CURRENT APPLICATION NUMBER: US/09/910,059
; ; CURRENT FILING DATE: 2001-07-23
; ; PRIOR APPLICATION NUMBER: US 09/171,945
; ; PRIOR FILING DATE: 1998-10-29
; ; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; ; PRIOR FILING DATE: 1997-04-29
; ; PRIOR APPLICATION NUMBER: GB 9703103.3
; ; PRIOR FILING DATE: 1997-02-14
; ; PRIOR APPLICATION NUMBER: GB9609405.7
; ; PRIOR FILING DATE: 1996-05-04
; ; NUMBER OF SEQ ID NOS: 131
; ; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52
; ; LENGTH: 235
; ; TYPE: PRT
; ; ORGANISM: Artificial Sequence
; ; FEATURE:
; ; OTHER INFORMATION: complete humanised light chain sequence
US-09-910-059-52

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Query Match             91.5%;    Score 599;  DB 10;   Length 235;
Best Local Similarity   91.4%;    Pred. No. 5.5e-36;
Matches   117; Conservative    5; Mismatches    6; Indels    0; Gaps    0;

Qy      1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRVTITCSATSSITYMSWYQQK 60
          ||||||||||||||||||:||||||||||||||||||||||||||||:||||||||||||
Db      1 MDFQVQIFSFLLISASVIMSRGDIQMTQSPSSLSASVGDRVTITCSASSSVTYMHWYQQK 60

Qy     61 PGKAPKLLIYDTSNLASGVPSRFSGSGSGTDYTLTISSLQPEDFATYYCQQWSSYPLTFG 120
          ||||||||||:||||||||||||||||||||||||||:||||||||:||||||:||||||
Db     61 PGKAPKLLIYSTSNLASGVPSRFSGSGSGTDYTFTISSLQPEDIATYYCQQRSYPLTFG 120

Qy    121 GGTKVEIK 128
          |||:|||
Db    121 QGTKLEIK 128
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RESULT 3
US-09-910-059-99
; Sequence 99, Application US/09910059
; Patent No. US2002014235A1
; GENERAL INFORMATION:
; ; APPLICANT: Copley, Clive G
; ; APPLICANT: Edge, Michael Derek
; ; APPLICANT: Emery, Stephen Charles
; ; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said Antibody,
; ; TITLE OF INVENTION: Their Therapeutic use in an Adept System
; ; FILE REFERENCE: 1991-209
; ; CURRENT APPLICATION NUMBER: US/09/910,059
; ; CURRENT FILING DATE: 2001-07-23
; ; PRIOR APPLICATION NUMBER: US 09/171,945
; ; PRIOR FILING DATE: 1998-10-29
; ; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; ; PRIOR FILING DATE: 1997-04-29
; ; PRIOR APPLICATION NUMBER: GB 9703103.3
; ; PRIOR FILING DATE: 1997-02-14
; ; PRIOR APPLICATION NUMBER: GB9609405.7
; ; PRIOR FILING DATE: 1996-05-04
; ; NUMBER OF SEQ ID NOS: 131
; ; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 99
; ; LENGTH: 235
; ; TYPE: PRT
; ; ORGANISM: Artificial Sequence
; ; FEATURE:
; ; OTHER INFORMATION: humanised light chain Fd sequence
US-09-910-059-99

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Query Match             90.5%;    Score 593;  DB 10;   Length 235;
Best Local Similarity   90.6%;    Pred. No. 1.5e-35;
Matches   116; Conservative    5; Mismatches    7; Indels    0; Gaps    0;

Qy      1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRVTITCSATSSITYMSWYQQK 60
          ||||||||||||||||||:||||||||||||||||||||||||||||:||||||||||||
Db      1 MDFQVQIFSFLLISASVIMSRGDIQMTQSPSSLSASVGDRVTITCSASSSVTYMHWYQQK 60

Qy     61 PGKAPKLLIYDTSNLASGVPSRFSGSGSGTDYTLTISSLQPEDFATYYCQQWSSYPLTFG 120
          |||||||:||||||||||||||||||||||||||:|||||||||:|||||||:|||||||
Db     61 PGKAPKLWIYSTSNLASGVPSRFSGSGSGTDYTFTISSLQPEDIATYYCQQRSYPLTFG 120

Qy    121 GGTKVEIK 128
          |||:|||
Db    121 QGTKLEIK 128
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RESULT 4
US-10-160-232-94
; Sequence 94, Application US/10160232
; Publication No. US20030088075A1
; GENERAL INFORMATION:
; ; APPLICANT: SHITARA, KENYA
; ; APPLICANT: ITO, MIKITO
; ; APPLICANT: HANAI, NOBUO
; ; APPLICANT: KAWADA, YOKO
; ; APPLICANT: NAKAMURA, KAZUYASU
; ; APPLICANT: SHIBUYA, MASABUMI
; ; TITLE OF INVENTION: ANTI-HUMAN VEGF RECEPTOR FLT-1 MONOCLONAL ANTIBODY
; ; FILE REFERENCE: 249-107
; ; CURRENT APPLICATION NUMBER: US/10/160,232
; ; CURRENT FILING DATE: 2002-06-04
; ; PRIOR APPLICATION NUMBER: US/09/453,718
; ; PRIOR FILING DATE: 1999-12-03
; ; PRIOR APPLICATION NUMBER: 09/315,051
; ; PRIOR FILING DATE: 1999-05-20
; ; PRIOR APPLICATION NUMBER: 09/119,014
; ; PRIOR FILING DATE: 1998-07-20
; ; PRIOR APPLICATION NUMBER: PCT/JP97/04259
; ; PRIOR FILING DATE: 1997-11-21
; ; NUMBER OF SEQ ID NOS: 96
; ; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 94
; ; LENGTH: 126
; ; TYPE: PRT
; ; ORGANISM: Artificial Sequence
; ; FEATURE:
; ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic protein
US-10-160-232-94

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Query Match             89.6%;    Score 587;  DB 9;   Length 126;
Best Local Similarity   90.6%;    Pred. No. 2.3e-35;
Matches   116; Conservative    5; Mismatches    5; Indels    2; Gaps    1;

Qy      1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRVTITCSATSSITYMSWYQQK 60
          ||||||||||||||||||:||||||||||||||||||||||||||||:||||||||||||
Db      1 MDFQVQIFSFLLISASVIISRGDIQMTQSPSSLSASVGDRVTITCSASSSVSYMHWYQQK 60

Qy     61 PGKAPKLLIYDTSNLASGVPSRFSGSGSGTDYTLTISSLQPEDFATYYCQQWSSYPLTFG 120
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Db      61 PGKAPKLLIYRTSNLASGVPSRFSGSGSGTDFTLTISSLQPEDFATYCHQWSMY--TFG 118
              |||||   |||||||||||||||||||||||||||||||||||||||||| |||

Qy     121 GGTKVEIK 128
               ||||||||
Db     119 QGTKVEIK 126

RESULT 5
US-09-910-059-97
; Sequence 97, Application US/09910059
; Patent No. US20020142359A1
; GENERAL INFORMATION:
; APPLICANT: Copley, Clive G
; APPLICANT: Edge, Michael Derek
; APPLICANT: Emery, Stephen Charles
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said Antibody,
; TITLE OF INVENTION:  Their Therapeutic use in an Adept System
; FILE REFERENCE: 1991-209
; CURRENT APPLICATION NUMBER: US/09/910,059
; CURRENT FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: US 09/171,945
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; PRIOR APPLICATION NUMBER: GB 9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 97
;  LENGTH: 235
;  TYPE: PRT
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  OTHER INFORMATION: humanised light chain Fd sequence
US-09-910-059-97

Query Match      89.0%;  Score 583;  DB 10;  Length 235;
Best Local Similarity   89.1%;  Pred. No. 7.6e-35;
Matches 114;  Conservative   6;  Mismatches   8;  Indels   0;  Gaps   0;

Qy       1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRVTITCSATSSITYMSWYQQK 60
             |||||||||||||||||||| :||   ||||||||||||||||||:||:|||||||||
Db       1 MDFQVQIFSFLLISASVIMSRGQIVLTQSPSSLSASVGDRVTITCSASSSVTYMHWYQQK 60

Qy      61 PGKAPKLLIYDTSNLASGVPSRFSGSGSGTDYTLTISSLQPEDFATYCCQWSSYPLTFG 120
             |||||||||| ||||||||||||||||||||| ||||||||||: :||||||
Db      61 PGKAPKLLIYRTSNLASGVPSRFSGSGSGTDYTFTISSLQPEDIATYYCCQRSTYPLTFG 120

Qy     121 GGTKVEIK 128
               |||: ||
Db     121 QGTKLEIK 128

RESULT 6
US-10-160-232-96
; Sequence 96, Application US/10160232
; Publication No. US20030088075A1
; GENERAL INFORMATION:
; APPLICANT: SHITARA, KENYA
; APPLICANT: ITO, MIKITO
; APPLICANT: HANAI, NOBUO
; APPLICANT: KAWADA, YOKO
; APPLICANT: NAKAMURA, KAZUYASU
; APPLICANT: SHIBUYA, MASABUMI
; TITLE OF INVENTION: ANTI-HUMAN VEGF RECEPTOR FLT-1 MONOCLONAL ANTIBODY
; FILE REFERENCE: 249-107
; CURRENT APPLICATION NUMBER: US/10/160,232
; CURRENT FILING DATE: 2002-06-04
; PRIOR APPLICATION NUMBER: US/09/453,718
; PRIOR FILING DATE: 1999-12-03


;  PRIOR APPLICATION NUMBER: 09/315,051
;  PRIOR FILING DATE: 1999-05-20
;  PRIOR APPLICATION NUMBER: 09/119,014
;  PRIOR FILING DATE: 1998-07-20
;  PRIOR APPLICATION NUMBER: PCT/JP97/04259
;  PRIOR FILING DATE: 1997-11-21
;  NUMBER OF SEQ ID NOS: 96
;  SOFTWARE: PatentIn Ver. 2.1
;  SEQ ID NO 96
;   LENGTH: 126
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic protein
US-10-160-232-96

Query Match      87.5%;  Score 573;  DB 9;  Length 126;
Best Local Similarity   89.1%;  Pred. No. 2.3e-34;
Matches 114;  Conservative   5;  Mismatches   7;  Indels   2;  Gaps   1;

Qy       1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRVTITCSATSSITYMSWYQQK 60
             |||||||||||||||||||||||||||||||||||||||||:||:|||||||||
Db       1 MDFQVQIFSFLLISASVIISRGDIQMTQSPSSLSASVGEEVTITCSASSSVMHWYQQK 60

Qy      61 PGKAPKLLIYDTSNLASGVPSRFSGSGSGTDYTLTISSLQPEDFATYYCCQQWSSYPLTFG 120
             |||||||||| |||||||||||||||||||| |||||||||||||||||   |||
Db      61 PGKAPKLLIYRTSNLASGVPSRFSGSGSGTFYTLTISSLQPEDFATYCHQWSMY--TFG 118

Qy     121 GGTKVEIK 128
               ||||||||
Db     119 QGTKVEIK 126

RESULT 7
US-10-195-752-111
; Sequence 111, Application US/10195752
; Publication No. US20030077276A1
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, KAZUYASU
;            KOIKE, MASAMICHI
;            SHITARA, KENYA
;            HANAI, NOBUO
;            KUWANA, YOSHIHISA
;            HASEGAWA, MAMORU
; TITLE OF INVENTION: HUMANIZED ANTIBODIES
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
;  ADDRESSEE: NIXON & VANDERHYE P.C.
;  STREET: 1100 NORTH GLEBE ROAD
;  CITY: ARLINGTON
;  STATE: VIRGINIA
;  COUNTRY: U.S.A.
;  ZIP: 22201-4714
; COMPUTER READABLE FORM:
;  MEDIUM TYPE: Floppy disk
;  COMPUTER: IBM PC compatible
;  OPERATING SYSTEM: PC-DOS/MS-DOS
;  SOFTWARE: PatentIn Release #1.0,  Version #1.25
; CURRENT APPLICATION DATA:
;  APPLICATION NUMBER: US/10/195,752
;  FILING DATE: 16-Jul-2002
;  CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
;  APPLICATION NUMBER: US/09/393,385B
;  FILING DATE: 27-JUN-96
; TELECOMMUNICATION INFORMATION:
;  TELEPHONE: (703)816-4000
;  TELEFAX: (703)816-4100
; INFORMATION FOR SEQ ID NO: 111:
;  SEQUENCE CHARACTERISTICS:
;   LENGTH: 130 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
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        TOPOLOGY: linear
    MOLECULE TYPE: protein
    SEQUENCE DESCRIPTION: SEQ ID NO: 111:
US-10-195-752-111

Query Match             86.6%;  Score 567; DB 9;  Length 130;
Best Local Similarity   86.7%;  Pred. No. 6.2e-34;
Matches 111;  Conservative   7;  Mismatches 10;  Indels    0;  Gaps    0;

Qy      1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRVTITCSATSSITYMSWYQQK 60
            | ||||||||||||||||| ||||||||||||||| :||::|| ||:||:||||||||||||
Db      1 MHFQVQIFSFLLISASVIMSRGDIQLTQSPSSLSASPGDRVTITCSASSVSVMHWFQQK 60

Qy     61 PGKAPKLLIYDTSNLASGVPSRFSGSGSGTDYTLTISSLQPEDFATYYCQQWSSYPLTFG 120
           ||||||| |||||||||||||||||||||||||||||| |:|||| ||| |||
Db     61 PGKAPKLWIYSTSNLASGVPARFSGSGSGTSYSLTISRLQPEDIATYYCQQRSSYPYTFG 120

Qy    121 GGTKVEIK 128
          ||||||||
Db    121 GGTKVEIK 128

RESULT 8
US-10-195-752-113
; Sequence 113, Application US/10195752
; Publication No. US20030077276A1
; GENERAL INFORMATION:
;  APPLICANT: NAKAMURA, KAZUYASU
;             KOIKE, MASAMICHI
;             SHITARA, KENYA
;             HANAI, NOBUO
;             KUWANA, YOSHIHISA
;             HASEGAWA, MAMORU
;  TITLE OF INVENTION: HUMANIZED ANTIBODIES
;  NUMBER OF SEQUENCES: 113
;  CORRESPONDENCE ADDRESS:
;    ADDRESSEE: NIXON & VANDERHYE P.C.
;    STREET: 1100 NORTH GLEBE ROAD
;    CITY: ARLINGTON
;    STATE: VIRGINIA
;    COUNTRY: U.S.A.
;    ZIP: 22201-4714
;  COMPUTER READABLE FORM:
;    MEDIUM TYPE: Floppy disk
;    COMPUTER: IBM PC compatible
;    OPERATING SYSTEM: PC-DOS/MS-DOS
;    SOFTWARE: PatentIn Release #1.0, Version #1.25
;  CURRENT APPLICATION DATA:
;    APPLICATION NUMBER: US/10/195,752
;    FILING DATE: 16-Jul-2002
;    CLASSIFICATION: <Unknown>
;  PRIOR APPLICATION DATA:
;    APPLICATION NUMBER: US/09/393,385B
;    FILING DATE: 27-JUN-96
;  TELECOMMUNICATION INFORMATION:
;    TELEPHONE: (703)816-4000
;    TELEFAX: (703)816-4100
;  INFORMATION FOR SEQ ID NO: 113:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH: 130 amino acids
;      TYPE: amino acid
;      STRANDEDNESS: single
;      TOPOLOGY: linear
;    MOLECULE TYPE: protein
;    SEQUENCE DESCRIPTION: SEQ ID NO: 113:
US-10-195-752-113

Query Match             86.1%;  Score 564; DB 9;  Length 130;
Best Local Similarity   85.9%;  Pred. No. 1e-33;
Matches 110;  Conservative   8;  Mismatches 10;  Indels    0;  Gaps    0;

Qy      1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRVTITCSATSSITYMSWYQQK 60
            | ||||||||||||||||| ||||||||||||||||||||||||| ||::||
Db      1 MHFQVQIFSFLLISASVIMSRGDIQLTQSPSSLSASPGDRVTITCSASSVSVMHWFQQK 60

Qy     61 PGKAPKLLIYDTSNLASGVPSRFSGSGSGTDYTLTISSLQPEDFATYYCQQWSSYPLTFG 120
           ||||||| |||||||||||||||||||||||||||||| |:|||| ||| |||
Db     61 PGKAPKLWIYSTSNLASGVPARFSGSGSGTSYSLTISRLQPEDIATYYCQQRSSYPYTFG 120

Qy    121 GGTKVEIK 128
          ||||||||
Db    121 GGTKVEIK 128

RESULT 9
US-09-910-059-17
; Sequence 17, Application US/09910059
; Patent No. US2002014359A1
; GENERAL INFORMATION:
;  APPLICANT: Copley, Clive G
;  APPLICANT: Edge, Michael Derek
;  APPLICANT: Emery, Stephen Charles
;  TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said Antibody,
;      Their Therapeutic use in an Adept System
;  FILE REFERENCE: 1991-209
;  CURRENT APPLICATION NUMBER: US/09/910,059
;  CURRENT FILING DATE: 2001-07-23
;  PRIOR APPLICATION NUMBER: US 09/171,945
;  PRIOR FILING DATE: 1998-10-29
;  PRIOR APPLICATION NUMBER: PCT/GB97/01165
;  PRIOR FILING DATE: 1997-04-29
;  PRIOR APPLICATION NUMBER: GB 9703103.3
;  PRIOR FILING DATE: 1997-02-14
;  PRIOR APPLICATION NUMBER: GB9609405.7
;  PRIOR FILING DATE: 1996-05-04
;  NUMBER OF SEQ ID NOS: 131
;  SOFTWARE: PatentIn version 3.1
;  SEQ ID NO 17
;    LENGTH: 235
;    TYPE: PRT
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: chimaeric light chain sequence
US-09-910-059-17

Query Match             79.8%;  Score 523; DB 10;  Length 235;
Best Local Similarity   77.3%;  Pred. No. 1.5e-30;
Matches  99;  Conservative  17;  Mismatches  12;  Indels    0;  Gaps    0;

Qy      1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSPSLSASVGDRVTITCSATSSITYMSWYQQK 60
            | ||||||||||||||||| ||||||||:||::|| ||:||:|||||||||:|:||
Db      1 MDFQVQIFSFLLISASVIMSRGDIELTQSPAIMSASPGEKVTITCSASSSVYMHWFQQK 60

Qy     61 PGKAPKLLIYDTSNLASGVPSRFSGSGSGTDYTLTISSLQPEDFATYYCQQWSSYPLTFG 120
           ||||||| |||||||||||||| :| ||||| |:|||||| |||
Db     61 PGTSPKLWIYSTNLASGVPARFSGSGSGTSYSLTISRMEAEDAATYYCQQRSTYPLTFG 120

Qy    121 GGTKVEIK 128
          ||| :|||
Db    121 AGTKLEIK 128

RESULT 10
US-10-160-232-93
; Sequence 93, Application US/10160232
; Publication No. US20030088075A1
; GENERAL INFORMATION:
;  APPLICANT: SHITARA, KENYA
;  APPLICANT: ITO, MIKITO
;  APPLICANT: HANAI, NOBUO
;  APPLICANT: KAWADA, YOKO
;  APPLICANT: NAKAMURA, KAZUYASU
;  APPLICANT: SHIBUYA, MASABUMI
;  TITLE OF INVENTION: ANTI-HUMAN VEGF RECEPTOR FLT-1 MONOCLONAL ANTIBODY
;  FILE REFERENCE: 249-107
;  CURRENT APPLICATION NUMBER: US/10/160,232
```

```
;   CURRENT FILING DATE: 2002-06-04
;   PRIOR APPLICATION NUMBER: US/09/453,718
;   PRIOR FILING DATE: 1999-12-03
;   PRIOR APPLICATION NUMBER: 09/315,051
;   PRIOR FILING DATE: 1999-05-20
;   PRIOR APPLICATION NUMBER: 09/119,014
;   PRIOR FILING DATE: 1998-07-20
;   PRIOR APPLICATION NUMBER: PCT/JP97/04259
;   PRIOR FILING DATE: 1997-11-21
;   NUMBER OF SEQ ID NOS: 96
;   SOFTWARE: PatentIn Ver. 2.1
;   SEQ ID NO 93
;   LENGTH: 126
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic protein
US-10-160-232-93

Qy Match           79.4%;   Score 520; DB 9;  Length 126;
Local Similarity   79.7%;   Pred. No. 1.4e-30;
Matches 102; Conservative 9;   Mismatches 15; Indels 2;   Gaps 1;

Qy    1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRVTITCSATSSITYMSWYQQK 60
        ||||||||||||||||||:||||||:|||||||:||:||||||||||||:|:||||||||
Db    1 MDFQVQIFSFLLISASVIMSRGDIVMTQSPDSLAVSLGERATINCSASSSVSYMHWYQQK 60

Qy   61 PGKAPKLLIYDTSNLASGVPSRFSGSGSGTDYTLTISSLQPEDFATYYCQQWSSYPLTFG 120
        ||:.||||||:||||||||||:|||||||||:||||||||:||.|.|||:|||:|--:|||
Db   61 PGQPPKLLIYRTSNLASGVPDRFSGSGSGTDFTLTISSLQAEDVAVYCHQWSMY--TFG 118

Qy  121 GGTKVEIK 128
        :||||||
Db  119 QGTKVEIK 126

RESULT 11
US-09-753-436-96
;   Sequence 96, Application US/09753436
;   Patent No. US20010029293A1
;   GENERAL INFORMATION:
;      APPLICANT: Gallatin, W. Michael
;      APPLICANT: Vazeux, Rosemay
;      TITLE OF INVENTION: ICAM-Related Materials and Methods
;      NUMBER OF SEQUENCES: 120
;      CORRESPONDENCE ADDRESS:
;         ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
;         STREET: 6300 Sears Tower, 233 South Wacker Drive
;         CITY: Chicago
;         STATE: Illinois
;         COUNTRY: United States of America
;         ZIP: 60606-6402
;      COMPUTER READABLE FORM:
;         MEDIUM TYPE: Floppy disk
;         COMPUTER: IBM PC compatible
;         OPERATING SYSTEM: PC-DOS/MS-DOS
;         SOFTWARE: PatentIn Release #1.0, Version #1.25
;      CURRENT APPLICATION DATA:
;         APPLICATION NUMBER: US/09/753,436
;         FILING DATE:
;      PRIOR APPLICATION DATA:
;         APPLICATION NUMBER: 09/382,289
;         FILING DATE:
;         CLASSIFICATION:
;      PRIOR APPLICATION DATA:
;         APPLICATION NUMBER: US 08/487,113
;         FILING DATE: 07-JUN-1995
;      PRIOR APPLICATION DATA:
;         APPLICATION NUMBER: US 08/286,754
;         FILING DATE: 05-AUG-1994
;      PRIOR APPLICATION DATA:
;         APPLICATION NUMBER: US 08/102,852
;         FILING DATE: 05-AUG-1993
;      PRIOR APPLICATION DATA:
;         APPLICATION NUMBER: US 08/009,266
;         FILING DATE: 22-JAN-1993
;      PRIOR APPLICATION DATA:
;         APPLICATION NUMBER: US 07/894,061
;         FILING DATE: 05-JUN-1992
;      PRIOR APPLICATION DATA:
;         APPLICATION NUMBER: US 07/889,724
;         FILING DATE: 26-MAY-1992
;      PRIOR APPLICATION DATA:
;         APPLICATION NUMBER: US 07/827,689
;         FILING DATE: 27-JAN-1992
;      ATTORNEY/AGENT INFORMATION:
;         NAME: Williams, Joseph A., Jr.
;         REGISTRATION NUMBER: 38,659
;         REFERENCE/DOCKET NUMBER: 33282
;      TELECOMMUNICATION INFORMATION:
;         TELEPHONE: (312) 474-6300
;         TELEFAX: (312) 474-0448
;         TELEX: 25-3856
;   INFORMATION FOR SEQ ID NO: 96:
;      SEQUENCE CHARACTERISTICS:
;         LENGTH: 110 amino acids
;         TYPE: amino acid
;         TOPOLOGY: linear
;      MOLECULE TYPE: protein
US-09-753-436-96

Query Match           76.3%;   Score 500;  DB 10;  Length 110;
Best Local Similarity 88.1%;   Pred. No. 3.3e-29;
Matches 96; Conservative 7;   Mismatches 6;   Indels 0;   Gaps 0;

Qy   20 SRGDIQMTQSPSSLSASVGDRVTITCSATSSITYMSWYQQKPGKAPKLLIYDTSNLASGV 79
         .:.|||||||||||||||||||||||||:.|:.:.||||||||||||||||||||:|||||
Db    2 ARCDIQMTQSPSSLSASVGDRVTITCSASSSVSYIYWYQQKPGKAPKLLIYLTSNLASGV 61

Qy   80 PSRFSGSGSGTDYTLTISSLQPEDFATYYCQQWSSYPLTFGGGTKVEIK 128
        ||||||||||||:|||||||||||||||||||||:.|:||||||||:|||
Db   62 PSRFSGSGSGTDFTLTISSLQPEDFATYYCQQWKSIPLTFGGGTKLEIK 110

RESULT 12
US-09-910-059-50
;   Sequence 50, Application US/09910059
;   Patent No. US2002014235SA1
;   GENERAL INFORMATION:
;      APPLICANT: Copley, Clive G
;      APPLICANT: Edge, Michael Derek
;      APPLICANT: Emery, Stephen Charles
;      TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said Antibody,
;      TITLE OF INVENTION: Their Therapeutic use in an Adept System
;      FILE REFERENCE: 1991-209
;      CURRENT APPLICATION NUMBER: US/09/910,059
;      CURRENT FILING DATE: 2001-07-23
;      PRIOR APPLICATION NUMBER: US 09/171,945
;      PRIOR FILING DATE: 1998-10-29
;      PRIOR APPLICATION NUMBER: PCT/GB97/01165
;      PRIOR FILING DATE: 1997-04-29
;      PRIOR APPLICATION NUMBER: GB 9703103.3
;      PRIOR FILING DATE: 1997-02-14
;      PRIOR APPLICATION NUMBER: GB9609405.7
;      PRIOR FILING DATE: 1996-05-04
;      NUMBER OF SEQ ID NOS: 131
;      SOFTWARE: PatentIn version 3.1
;   SEQ ID NO 50
;      LENGTH: 107
;      TYPE: PRT
;      ORGANISM: Artificial Sequence
;      FEATURE:
;      OTHER INFORMATION: humanized light chain variable region
US-09-910-059-50

Query Match           76.2%;   Score 499;  DB 10;  Length 107;
Best Local Similarity 90.6%;   Pred. No. 3.8e-29;
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```
Matches   96; Conservative   4; Mismatches   6; Indels   0; Gaps   0;

Qy   23 DIQMTQSPSSLSASVGDRVTITCSATSSITYMSWYQQKPGKAPKLLIYDTSNLASGVPSR 82
        ||||||||||||||||||||||||:|||||||||||||||| |||||||||||||||||
Db    1 DIQMTQSPSSLSASVGDRVTITCSASSSVTYMHWYQQKPGKAPKLLIYSTSNLASGVPSR 60

Qy   83 FSGSGSGTDYTLTISSLQPEDFATYYCQQWSSYPLTFGGGTKVEIK 128
        |||||||||||||||||||||||:|| ||||||||||||:|:|||
Db   61 FSGSGSGTDYTFTISSLQPEDIATYYCQQRSTYPLTFGQGTKLEIK 106
```

RESULT 13
US-09-910-059-61
; Sequence 61, Application US/09910059
; Patent No. US20020142359A1
; GENERAL INFORMATION:
;   APPLICANT: Copley, Clive G
;   APPLICANT: Edge, Michael Derek
;   APPLICANT: Emery, Stephen Charles
;   TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said Antibody,
;   TITLE OF INVENTION: Their Therapeutic use in an Adept System
;   FILE REFERENCE: 1991-209
;   CURRENT APPLICATION NUMBER: US/09/910,059
;   CURRENT FILING DATE: 2001-07-23
;   PRIOR APPLICATION NUMBER: US 09/171,945
;   PRIOR FILING DATE: 1998-10-29
;   PRIOR APPLICATION NUMBER: PCT/GB97/01165
;   PRIOR FILING DATE: 1997-04-29
;   PRIOR APPLICATION NUMBER: GB 9703103.3
;   PRIOR FILING DATE: 1997-02-14
;   PRIOR APPLICATION NUMBER: GB9609405.7
;   PRIOR FILING DATE: 1996-05-04
;   NUMBER OF SEQ ID NOS: 131
;   SOFTWARE: PatentIn version 3.1
; SEQ ID NO 61
;   LENGTH: 107
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: humanised light chain variable region variant
US-09-910-059-61

```
Query Match           75.7%;     Score 496; DB 10; Length 107;
Best Local Similarity 89.6%;     Pred. No. 6.1e-29;
Matches   95; Conservative   5; Mismatches   6; Indels   0; Gaps   0;

Qy   23 DIQMTQSPSSLSASVGDRVTITCSATSSITYMSWYQQKPGKAPKLLIYDTSNLASGVPSR 82
        |||:||||||||||||||||||||:|| ||||||||||||||||| |||||||||||||||
Db    1 DIQLTQSPSSLSASVGDRVTITCSASSSVTYMHWYQQKPGKAPKLLIYSTSNLASGVPSR 60

Qy   83 FSGSGSGTDYTLTISSLQPEDFATYYCQQWSSYPLTFGGGTKVEIK 128
        |||||||||||||||||||||||:|| ||||||||||||:|:|||
Db   61 FSGSGSGTDYTFTISSLQPEDIATYYCQQRSTYPLTFGQGTKLEIK 106
```

RESULT 14
US-09-910-059-71
; Sequence 71, Application US/09910059
; Patent No. US20020142359A1
; GENERAL INFORMATION:
;   APPLICANT: Copley, Clive G
;   APPLICANT: Edge, Michael Derek
;   APPLICANT: Emery, Stephen Charles
;   TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said Antibody,
;   TITLE OF INVENTION: Their Therapeutic use in an Adept System
;   FILE REFERENCE: 1991-209
;   CURRENT APPLICATION NUMBER: US/09/910,059
;   CURRENT FILING DATE: 2001-07-23
;   PRIOR APPLICATION NUMBER: US 09/171,945
;   PRIOR FILING DATE: 1998-10-29
;   PRIOR APPLICATION NUMBER: PCT/GB97/01165
;   PRIOR FILING DATE: 1997-04-29
;   PRIOR APPLICATION NUMBER: GB 9703103.3
;   PRIOR FILING DATE: 1997-02-14
;   PRIOR APPLICATION NUMBER: GB9609405.7
;   PRIOR FILING DATE: 1996-05-04
;   NUMBER OF SEQ ID NOS: 131
;   SOFTWARE: PatentIn version 3.1
; SEQ ID NO 71
;   LENGTH: 107
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: humanised light chain variable region variant
US-09-910-059-71 .

```
Query Match           75.3%;     Score 493; DB 10; Length 107;
Best Local Similarity 89.6%;     Pred. No. 1e-28;
Matches   95; Conservative   4; Mismatches   7; Indels   0; Gaps   0;

Qy   23 DIQMTQSPSSLSASVGDRVTITCSATSSITYMSWYQQKPGKAPKLLIYDTSNLASGVPSR 82
        ||||||||||||||||||||||||:|| ||||||||||||||||| |||||||||||||||
Db    1 DIQMTQSPSSLSASVGDRVTITCSASSSVTYMHWYQQKPGKAPKLWIYSTSNLASGVPSR 60

Qy   83 FSGSGSGTDYTLTISSLQPEDFATYYCQQWSSYPLTFGGGTKVEIK 128
        |||||||||||||||||||||||:|| ||||||||||||:|:|||
Db   61 FSGSGSGTDYTFTISSLQPEDIATYYCQQRSTYPLTFGQGTKLEIK 106
```

RESULT 15
US-10-160-232-87
; Sequence 87, Application US/10160232
; Publication No. US20030088075A1
; GENERAL INFORMATION:
;   APPLICANT: SHITARA, KENYA
;   APPLICANT: ITO, MIKITO
;   APPLICANT: HANAI, NOBUO
;   APPLICANT: KAWADA, YOKO
;   APPLICANT: NAKAMURA, KAZUYASU
;   APPLICANT: SHIBUYA, MASABUMI
;   TITLE OF INVENTION: ANTI-HUMAN VEGF RECEPTOR FLT-1 MONOCLONAL ANTIBODY
;   FILE REFERENCE: 249-107
;   CURRENT APPLICATION NUMBER: US/10/160,232
;   CURRENT FILING DATE: 2002-06-04
;   PRIOR APPLICATION NUMBER: US/09/453,718
;   PRIOR FILING DATE: 1999-12-03
;   PRIOR APPLICATION NUMBER: 09/315,051
;   PRIOR FILING DATE: 1999-05-20
;   PRIOR APPLICATION NUMBER: 09/119,014
;   PRIOR FILING DATE: 1998-07-20
;   PRIOR APPLICATION NUMBER: PCT/JP97/04259
;   PRIOR FILING DATE: 1997-11-21
;   NUMBER OF SEQ ID NOS: 96
;   SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 87
;   LENGTH: 128
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic protein
US-10-160-232-87

```
Query Match           75.3%;     Score 493; DB 9; Length 128;
Best Local Similarity 72.7%;     Pred. No. 1.2e-28;
Matches   93; Conservative  18; Mismatches  17; Indels   0; Gaps   0;

Qy    1 MDFQVQIFSFLLISAGVILSRGDIQMTQSPSSLSASVGDRVTITCSATSSITYMSWYQQK 60
        |||||||||||||||:| |||||:| ||||||||||||||||||||||||:|| |||||||
Db    1 MDFQVQIFSFLLISASVIISRQLVLTQSPAIMSASGGEKVTMTCSASSSVSYMHWYQQK 60

Qy   61 PGKAPKLLIYDTSNLASGVPSRFSGSGSGTDYTLTISSLQPEDFATYYCQQWSSYPLTFG 120
        |||||||||| |||||||||| |||||||| |||:|:||||::  |||||||||||||||
Db   61 SGTSPKRWIYDTSKLPSGVPARFSGSGSGTSYSLTISSMEAEDAATYCQQWSSNPPTFG 120

Qy  121 GGTKVEIK 128
        |||:|:|
```

us-09-772-103-8.rapb

Sat May 31 17:43:40 2003

Db   121 AGTKLELK 128

Search completed: May 31, 2003, 18:05:42
Job time : 17.6444 secs